

FIGURE 1a

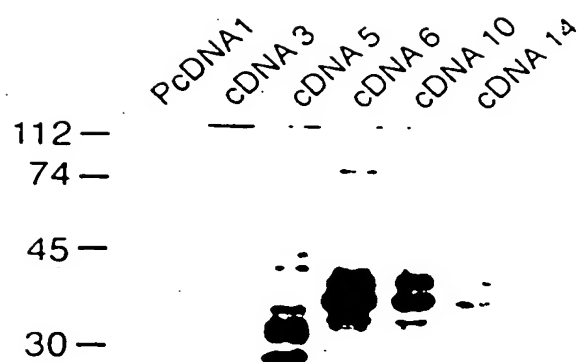
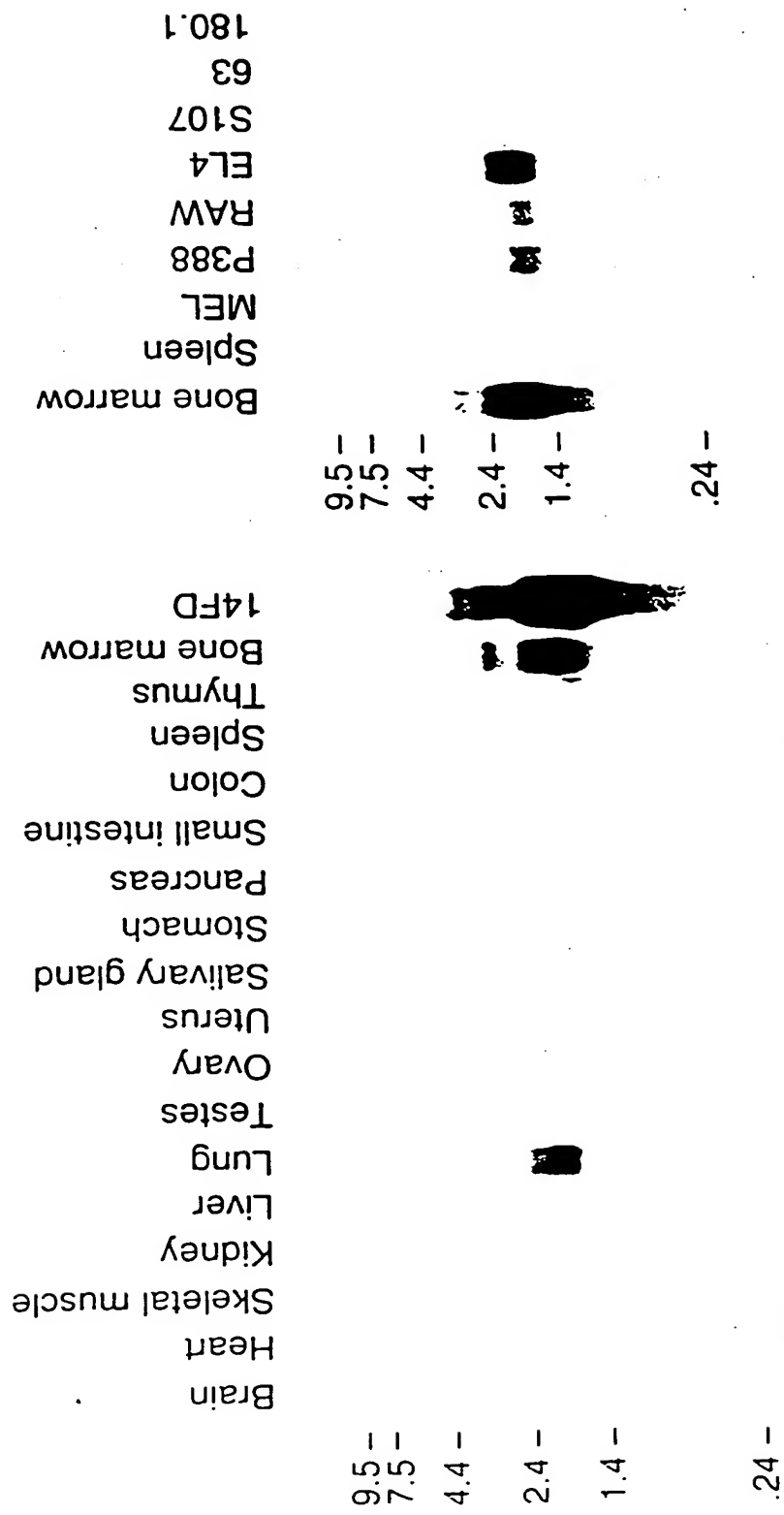


FIGURE 1b

| | |
|--|------|
| gggatttatgggtgtccctgagcctaggggtgacagggcctctccttttttttttattctgcttcagGGTACCAACCCACC | 2080 |
| G Y H P T | |
| AGGAGGCTGCGGGCCTGGGGCGGCCTAGCTGGAGGAGCAACATTCATGGTAATTTGGTTTTTCTGGCTGTGGGGATCAGC | 2160 |
| R R L R A W G G L A G G A T F M V I W F F W L W G S A | |
| TCCTGGAAGTGCCCTGTGCCTCAGTCCACACTCACCATCCTTATCTGGCACTGGCCTTTCACCAACCCGCCAGAGC | 2240 |
| P G S A P V P Q S T L T I L I W H W P F T N R P P E | |
| TACCTGGTGACACCTGCACTCGCTATGGCATGGCCAGCTGCCGTCTGAGTGCTAACCGGAGCCTGCTAGCCAGTGCTGAT | 2320 |
| L P G D T C T R Y G M A S C R L S A N R S L L A S A D | |
| GCTGTGGTCTTCCACCACCGTGAGCTGCAAACCCGGCAATCTCTCCTACCCCTGGACCAGAGGCCACACGGACAGCCTTG | 2400 |
| A V V F H H R E L Q T R Q S L L P L D Q R P H G Q P W | |
| GGTCTGGGCCTCCATGGAATCGCCAGTAATACCCATGGTCTCCATCGCTTCCGGGGCATCTTCAACTGGGTGCTGAGCT | 2480 |
| V W A S M E S P S N T H G L H R F R G I F N W V L S | |
| ATCGGCGTGATTACAGATATCTTTGTACCCTACGGTCGCTTGGAGCCTCTCTCTGGGCCACATCCCCACTACCGGCCAAA | 2560 |
| Y R R D S D I F V P Y G R L E P L S G P T S P L P A K | |
| AGCAGGATGGCTGCCTGGGTGATCAGCAATTTCCAGGAGCGGCAGCAGCGTGCAAAGCTGTACCGGCAGCTGGCCCCCTCA | 2640 |
| S R M A A W V I S N F Q E R Q Q R A K L Y R Q L A P H | |
| TCTGCAGGTGGATGTGTTCCGGTCGCGCCAGCGGACGGCCCCCTATGCGCTAATTGTCTGCTGCCCCACTTTGGCCCCGGTACC | 2720 |
| L Q V D V F G R A S G R P L C A N C L L P T L A R Y | |
| GCTTCTACCTGGCCTTTGAGAACTCACAGCATCGGGACTACATCACTGAGAAGTTCTGGCGCAATGCCCTGGCGGCTGGT | 2800 |
| R F Y L A F E N S Q H R D Y I T E K F W R N A L A A G | |
| GCTGTACCCGTGGCGCTGGGACCTCCTCGGGCCACCTACGAGGCTTTTGTGCCACCAGATGCCTTTGTACACGTGGACGA | 2880 |
| A V P V A L G P P R A T Y E A F V P P D A F V H V D D | |
| CTTCAGCTCTGCCCGTGAACCTGGCTGTCTTCCTCGTCAGCATGAATGAGAGTCGTTATCGTGGCTTCTTTGCTTGGCGAG | 2960 |
| F S S A R E L A V F L V S M N E S R Y R G F F A W R | |
| ACCGGCTCCGTGTGCGGCTCCTGGGTGACTGGAGGGAGCGCTTCTGCACCATCTGTGCCCGCTACCCTTACTTGCCCCGC | 3040 |
| D R L R V R L L G D W R E R F C T I C A R Y P Y L P R | |
| AGCCAGGTCTATGAAGACCTTGAAAGCTGGTTCAGGCTTGAACCTCTGCTGCTGGGAGAGGCTGGATGGGTGGGAGACT | 3120 |
| S Q V Y E D L E S W F Q A * | |
| GATGTTGAAACCAAAGAGCTGGGCATCCAGGCTTTTGGTCACCATGGCACTACCCCAAGGCTTTTCTGTTTCAGTGAGCA | 3200 |
| GGAATTCAGGATATAAGGAGAAGACTGGGCTGAGATACCCTGGTGGGCTTTAGAGTAGGGGCCAGGATAAGAGACAATG | 3280 |
| AATTAATGAGGAGCATATGGGGAAGGTGGCTGAGGGTCCCTGACTTACCTTGACCCATGGCTGAAGGCTCCATGCCCCATG | 3360 |
| GCTGGAGCTGGGACCCTACACTTCTATAGTCAAGGTGCTTAGCCTCAAGGTTGCAGATGCACCCCTCTAGTACTCTGGGTG | 3440 |
| CAGACTGTACACTGGGCGCAGGGGTTGTGGAAGGACAGTGCAGATGATTCTGGGCTTTTGACACCACAGTTCCCCCAGG | 3520 |
| GAAAGAGGCACTACTAATAAAAACTGACAGaaatctcctgggtcaagtctgttaggcagcagagctcgaattc | 3594 |



(b)

(a)

FIGURES 3a and 3b

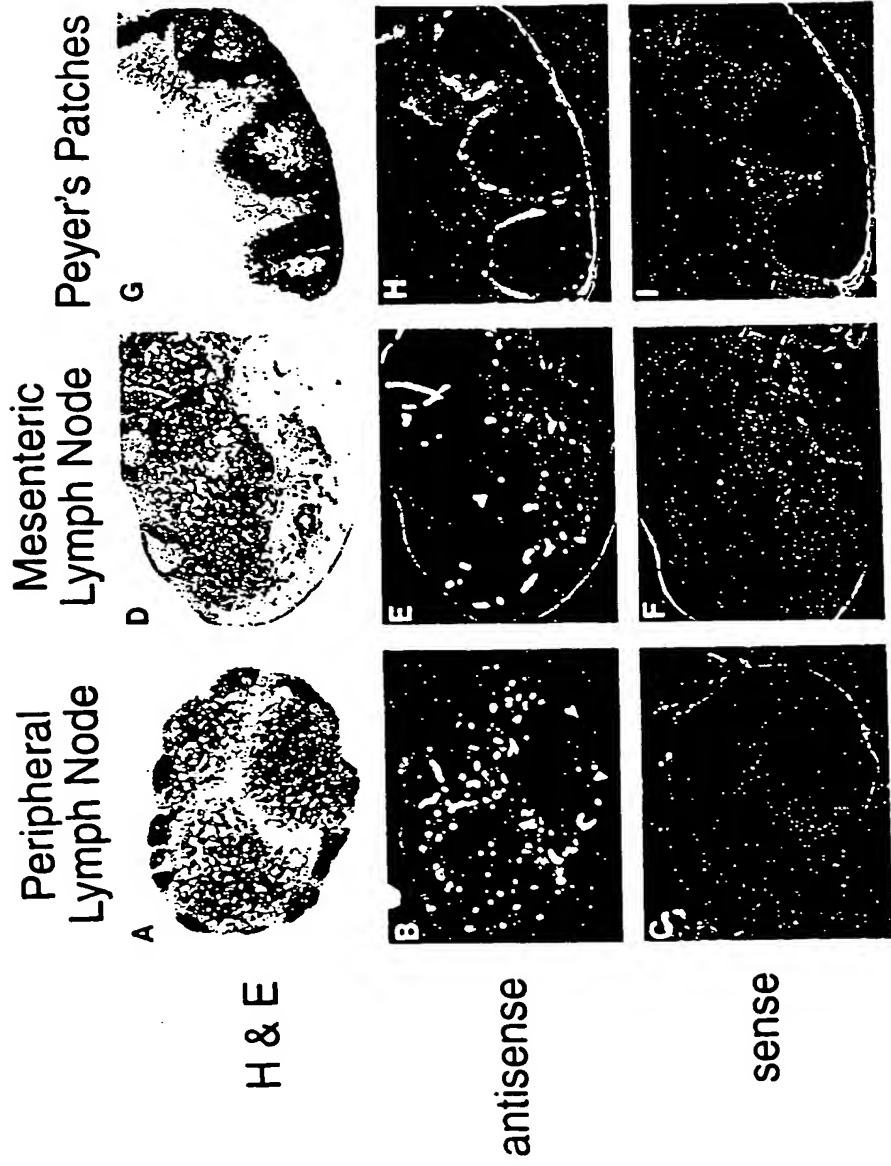


FIGURE 4

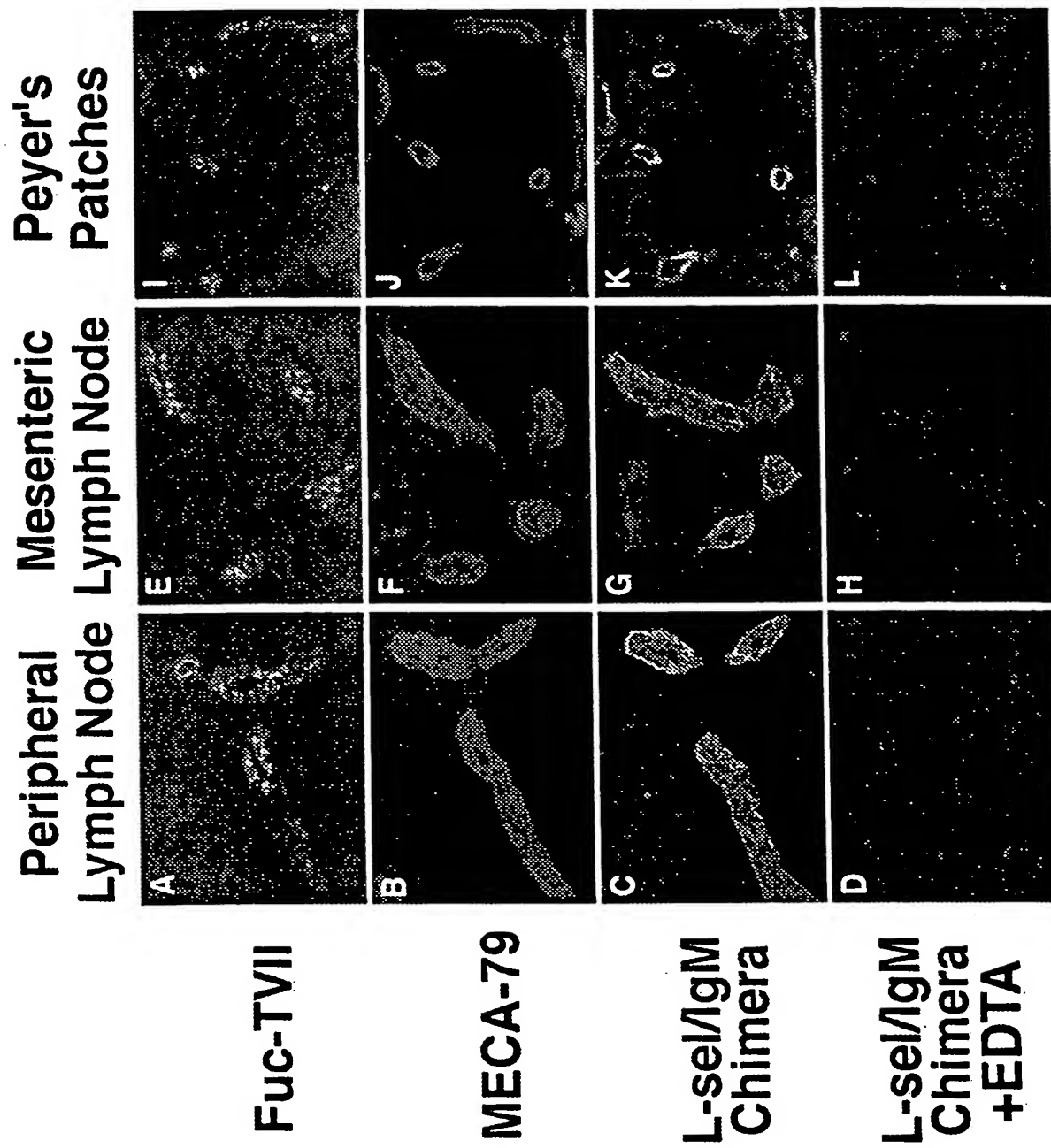
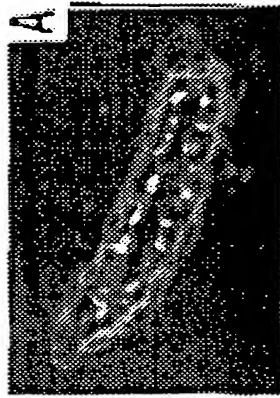
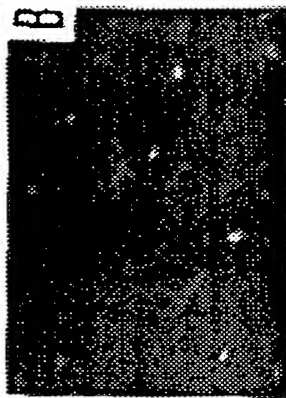


FIGURE 5a



Immune Antibodies



Nonimmune Antibodies

FIGURE 5b